

CLAIMS

1. Process for assembly of metallic parts by
melting a filler material, characterized in that it
5 consists of:

- heating the assembly by induction heating;
- using a powder as a filler material which has a
melting temperature higher than or equal to the melting
temperature of the material from which the parts to be
10 assembled is made for parts with the same nature, and
with a melting temperature higher than or equal to the
melting temperature of the part with the lowest melting
temperature, in order to make the assembly without a
new phase being formed by diffusion with a melting
15 temperature lower than the melting temperature of the
parts.

2. Assembly process according to claim 1,
characterized in that the material from which the parts
20 are made and the material from which the powder is made
are the same.

3. Assembly process according to claim 1,
characterized in that the powder is compacted before it
25 is inserted between the two metallic parts.

